

### Claims

1. Raman laser device having a first cavity in which lasing occurs at a first frequency, and at least one second cavity in which lasing occurs at a second frequency, thereby generating respective first and second waves inside the respective cavities having a first power and a second power, respectively, generating beams propagating outside the cavities by coupling out a part of the first power and a part of the second power utilizing respective output mirrors, attenuating the part of the second power that is coupled out without attenuating the complementary part of the second power remaining in the second cavity, **wherein** the part of the second power that is coupled out is attenuated utilizing at least one Fiber Bragg Grating
2. The Raman laser device of claim 1, wherein the at least one Fiber Bragg Grating has a reflectivity that is higher than the reflectivity where highest output power is obtained.
4. The Raman laser device of claim 2, wherein the at least one Fiber Bragg Grating is a slanted Fiber Bragg Grating.
5. The Raman laser device of claim 3, wherein the slanted Fiber Bragg Grating's attenuation is adjustable.
6. The Raman laser device of claim 4, wherein the slanted Fiber Bragg Grating's attenuation is adjusted by applying mechanical stress or heat.

7. The Raman laser device of claim 4, comprising a control device that adjusts the Fiber Bragg Grating's reflectivity.
8. The Raman laser device of claim 1, wherein the part of the second power that is coupled out is attenuated by a slanted Fiber Bragg Grating that is located spatially apart from the output mirror.
9. The Raman laser device of claim 7, wherein the output mirror is a Fiber Bragg Grating.
10. The Raman laser device of claim 7, wherein both the Fiber Bragg Grating serving as an output mirror and the slanted Fiber Bragg Grating Fiber are adjustable.
11. The Raman laser device of claim 1, wherein the part of the second power that is coupled out is attenuated by a superposition of two slanted Fiber Bragg Gratings or a slanted Fiber Bragg Gratings and a standard FBG.